# Effect of Artificial Light on Daylight Colors

As you've learned, lighting can affect the appearance of a color. In the daytime, a color may look quite different than it does during the dark when artificial light is used in a room. This table, reproduced from *Lighting and Accessories*, can help you to determine these effects. Along with the table of reflective color values, this table can help you to choose both the proper color for a room and the best lighting. Print it out and keep it with other reference materials. Use it whenever you're deciding on colors for a decorating job.

## EFFECT OF ARTIFICIAL LIGHT ON DAYLIGHT COLORS

| Type of Artificial Light | Room Color | | |
|---|---|---|---|
| | **Yellow** | **Green-YELLOW** | **Yellow-GREEN** |
| Incandescent | Warm yellow | Pale, warm yellow | Dull yellow-GREEN |
| Standard warm white | Dull orange | Pale green-YELLOW | Dull yellow-GREEN |
| Deluxe warm white | Yellow-ORANGE* | Pale green-YELLOW | Vivid yellow-GREEN |
| Standard cool white | Grayed green-YELLOW | Pale green-YELLOW | Brownish yellow-GREEN |
| Deluxe cool white | Green-YELLOW | Green-YELLOW | Warm yellow-GREEN |
| **Type of Artificial Light** | **Room Color** | | |
| | **Green—Middle Value** | **Green—Dark** | **Blue-GREEN** |
| Incandescent | Yellow-GREEN | Deep yellow-GREEN | Grayed green |
| Standard warm white | Dull green | Brown-GREEN | Grayed green |
| Deluxe warm white | Dull green | Brown | Brown-green |
| Standard cool white | Dull green | Deep brown-GREEN | Grayed blue-GREEN |
| Deluxe cool white | Green | Blue-GREEN | Dull blue-GREEN |
| **Type of Artificial Light** | **Room Color** | | |
| | **Green-BLUE** | **Blue—Middle Value** | **Blue—Dark (Navy)** |
| Incandescent | Dark green | Warm blue | Dark gray-BLUE |
| Standard warm white | Grayed blue | Dull violet-BLUE | Deep red-VIOLET |
| Deluxe warm white | Grayed green | Grayed blue | Brown-VIOLET |
| Standard cool white | Grayed blue-GREEN | Grayed blue | Deep purple-BLUE |
| Deluxe cool white | Blue-GREEN | Grayed blue | Deep purple-BLUE |
| **Type of Artificial Light** | **Room Color** | | |
| | **Violet-BLUE** | **Blue-VIOLET** | **Violet—Middle Value** |
| Incandescent | Gray | Gray | Grayed violet |
| Standard warm white | Dull violet-BLUE | Grayed violet | Dull pink |
| Deluxe warm white | Gray | Gray | Brown-GRAY |
| Standard cool white | Violet-BLUE | Grayed violet-BLUE | Warm violet |
| Deluxe cool white | Violet-BLUE | Grayed violet-BLUE | Warm violet |

*(Continued)*

**EFFECT OF ARTIFICIAL LIGHT ON DAYLIGHT COLORS**—*Continued*

| Type of Artificial Light | Room Color | | |
|---|---|---|---|
| | **Violet—Dark (Purple)** | **Red-VIOLET** | **Violet-RED** |
| Incandescent | Dull purple | Grayed violet | Vivid red |
| Standard warm white | Dull orange-PURPLE | Dull orange-PINK | Red-BROWN |
| Deluxe warm white | Brown | Dull orange | Orange-RED |
| Standard cool white | Dull purple | Red-VIOLET | Dull red-BROWN |
| Deluxe cool white | Grayed purple | Grayed violet | Red |
| **Type of Artificial Light** | **Room Color** | | |
| | **Red—Light (Pink)** | **Red—Middle Value** | **Orange-RED** |
| Incandescent | Yellow-pink | Orange-RED | Red-ORANGE |
| Standard warm white | Pale yellow-PINK | Grayed orange-RED | Dull orange-RED |
| Deluxe warm white | Orange | Vivid orange-RED | Vivid orange |
| Standard cool white | Dull pink | Dull red | Dull brown-ORANGE |
| Deluxe cool white | Vivid pink | Cool red | Dull red |
| **Type of Artificial Light** | **Room Color** | | |
| | **Red-ORANGE** | **Orange—Middle Value** | **Orange—Dark (Brown)** |
| Incandescent | Vivid orange | Yellow-ORANGE | Orange-red |
| Standard warm white | Dull red-ORANGE | Dull orange | Dull brown |
| Deluxe warm white | Vivid orange | Orange-RED | Red-brown |
| Standard cool white | Dull orange | Grayed orange | Grayed red-brown |
| Deluxe cool white | Dull red-ORANGE | Grayed yellow | Red-brown |
| **Type of Artificial Light** | **Room Color** | | |
| | **Yellow-ORANGE** | **Yellow—Middle Value** | **Orange-Yellow** |
| Incandescent | Orange-YELLOW | Warm yellow | Vivid yellow |
| Standard warm white | Dull orange | Dull orange | Dull orange |
| Deluxe warm white | Orange | Yellow-ORANGE | Warm yellow |
| Standard cool white | Dull yellow | Grayed green-YELLOW | Dull green-yellow |
| Deluxe cool white | Dull orange | Green-YELLOW | Green-yellow |

*In hyphenated colors, the second color given in capital letters is the dominant color. For example, yellow-ORANGE is yellow with an orange cast.